IN THE CLAIMS:

Please cancel claims 43, 63, 69, 76, 83, 90, and 97 without prejudice or disclaimer and amend claims 34, 53, 54, 64, 67, 68, 71-75, 77, 78, 82, 85, 89, 92, 96, 99, 103, and 104, as follows:

34.   (Amended) A method in a data processing system having a first program containing code and having a second program, the method comprising the steps of:

providing a first abstract computing machine to the data processing system;

providing a second abstract computing machine to the data processing system

running the first program on the first abstract computing machine;

running the second program on the second abstract computing machine;

sending a portion of the code from the first program to the second program, wherein the portion of the code is based on stub code obtained from the second abstract computing machine; and

running the portion of the code by the second program on the second abstract computing machine.

53.   (Amended) A data processing system having a first computing system with a first program containing code and having a second computer system with a second program, comprising:

means for providing a first abstract computing machine to the first computer system;

means for providing a second abstract computing machine to the second computer system;

FINNEGAN
HENDERSON
FARABOW
GARRETT &
DUNNER LLP

1300 I Street, NW
Washington, DC 20005
202.408.4000
Fax 202.408.4400
www.finnegan.com

means for running the first program on the first abstract computing machine;

means for running the second program on the second abstract computing machine;

means for sending a portion of the code from the first program to the second program, wherein the portion of the code is based on stub code obtained from the second abstract computing machine; and

means for running the portion of the code by the second program on the second abstract computing machine in a manner as the code is run on the first abstract computing machine.

54.   (Amended) A computer-readable medium containing instructions for controlling a data processing system to perform a method, the data processing system having a first program containing code and having a second program, the method comprising the steps of:

providing a first abstract computing machine to the data processing system;

providing a second abstract computing machine to the data processing system

running the first program on the first abstract computing machine;

running the second program on the second abstract computing machine;

sending a portion of the code from the first program to the second program, wherein the portion of the code is based on stub code obtained from the second abstract computing machine; and

running the portion of the code by the second program on the second abstract computing machine.

64.   (Amended) A method performed in a data processing system including a first computing environment and a second computing environment, the method comprising:

executing a first program including first code on the first computing environment;

sending a portion of the first code from the first computing environment to the second computing environment based on a stub class instance obtained from the second computing environment;

executing the portion of the first code on the second computing environment; and

returning results of the executed portion of the first code to the first computing environment.

67.   (Amended) The method of claim 64, wherein the portion of the first code is part of an object and executing the portion of the first code includes:

invoking a function included in the second computing environment; and

returning to the first computing environment the object as a result of the invocation.

68.   (Amended) The method of claim 64, wherein the stub class instance is provided to the first computing environment by the second computing environment during runtime operations.

71.   (Amended) A method performed in a data processing system including a first computing environment and a second computing environment, the method performed by the second computing environment comprising:

receiving a portion of first code included in a program executing in the first computing environment based on a stub class instance provided to the first computing environment by the second computing environment;

executing the portion of the first code; and

returning results of the executed portion of the first code to the first computing environment.

72.   (Amended) The method of claim 71, wherein receiving a portion of the first code includes:

receiving an object containing the portion of the first code.

73.   (Amended) The method of claim 71, wherein executing the portion of the first code includes:

invoking a function included in the second computing environment based on a parameter included in the portion of the first code.

74.   (Amended) The method of claim 71, wherein the portion of the first code is part of an object and executing the portion of the first code includes:

invoking a function included in the second computing environment; and

returning the object as a result of the invocation.

75.   (Amended) The method of claim 71, further including:

providing to the first computing environment the stub class instance during

runtime operations.

77.   (Amended) The method of claim 71, wherein returning results of the

executed portion of the first code to the first computing environment includes:

returning the results to the program.

78.   (Amended) A computer-readable medium containing instructions that

perform a method when executed by a processor, the method performed in a data

processing system including a first computing environment and a second computing

environment and comprising:

executing a first program including first code on the first computing environment;

sending at least a portion of the first code from the first computing environment to

the second computing environment based on a stub class instance obtained from the

second computing environment;

executing at least the portion of the first code on the second computing

environment; and

returning results of the executed portion of the first code to the first computing

environment.

82.　(Amended) The computer-readable medium of claim 78, wherein the stub class instance is provided to the first computing environment by the second computing environment during runtime operations.

85.　(Amended) A computer-readable medium including instructions for performing a method when executed by a processor, the method performed in a data processing system including a first computing environment and a second computing environment including the resource, and the method performed by the second computing environment comprising:

receiving a portion of first code included in a program executing in the first computing environment based on a stub class instance provided to the first computing environment by the second computing environment;

executing the portion of the first code; and

returning results of the executed portion of the first code to the first computing environment.

89.　(Amended) The computer-readable medium of claim 85, further including:

providing to the first computing environment the stub class instance during runtime operations.

92.　(Amended) A system for executing code in a data processing system including a first computing environment and a second computing environment, the system comprising:

means for executing a first program including first code on the first computing environment;

means for sending a portion of the first code from the first computing environment to the second computing environment based on a stub class instance obtained from the second computing environment;

means for executing the portion of the first code on the second computing environment; and

means for returning results of the executed portion of the first code to the first computing environment.

96.   (Amended) The system of claim 92, wherein the stub class instance is provided to the first computing environment by the second computing environment during runtime operations.

99.   (Amended) A system for executing code in a data processing system including a first computing environment, the system comprising:

means for receiving a portion of first code included in a program executing in the first computing environment based on a stub class instance provided to the first computing environment;

means for executing the portion of the first code; and

means for returning results of the executed portion of the first code to the first computing environment.